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multitasking <near> "I/O tasks" and preemptive

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[Queueing Network Models for Parallel Processing with Asynchronous Tasks - all 6 versions »](#)

P Heidelberger, KS Trivedi - IEEE Transactions on Computers, 1982 - doi.ieeecomputersociety.org

... multiprogramming, **multitasking**, parallel processing, performance ... Furthermore, the terminal user does not **wait** for the ... CPU and I/O (or the two I/O) **tasks** must ...

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[\[PDF\] TrueTime: Real-time Control System Simulation with MATLAB/Simulink - all 2 versions »](#)

D Henriksson, A Cervin, KE Årzén - Proceedings of the Nordic MATLAB Conference, Copenhagen, ..., 2003 - control.lth.se

... of the temporal behavior of a **multitasking** real-time ... activities, such as controller and I/O **tasks**, and aperiodic ... may be **preemptive** or non-**preemptive**; this can ...

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[How does control timing affect performance? Analysis and simulation of timing using Jitterbug and ... - all 7 versions »](#)

A Cervin, D Henriksson, B Lincoln, J Eker, KE ... - Control Systems Magazine, IEEE, 2003 - ieeexplore.ieee.org

... of the temporal behavior of a **multitasking** real-time ... may be used (eg, priority-based **preemptive** scheduling and ... fast as possible" instead of **waiting** for the ...

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[MANTIS OS: An Embedded Multithreaded Operating System for Wireless Micro Sensor Platforms - all 13 versions »](#)

S Bhatti, J Carlson, H Dai, J Deng, J Rose, A ... - Mobile Networks and Applications, 2005 - Springer

... Both achieve **preemptive multitasking** in a lightweight RAM footprint of ... MOS will support

CSMA in the **near** future, by ... for event-driven sensor I/O. **Tasks** run to ...

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[\[PDF\] Jitterbug and Truetime: Analysis tools for real-time control systems - all 2 versions »](#)

A Cervin, D Henriksson, B Lincoln, KE Arzen - Proceedings of the 2nd Workshop on Real-Time Tools, ..., 2002 - control.lth.se

... control system often contains a **multitasking** real-time ... the temporal behavior of a **multi-tasking** real-time ... be used, eg, priority-based **preemptive** scheduling and ...

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[Method and apparatus for controlling \(N+1\) I/O channels with \(N\) data managers in a homogenous ... - all 2 versions »](#)

RD Carmichael, JM Ward, MA Winchell - US Patent 5,864,712, 1999 - freepatentsonline.com

... high performance CPU for lower speed **I/O tasks** was found ... under the control of a **multi-tasking**, multi-threaded ... **Near** maximum aggregate bandwidth of multiple I/O ...

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D Henriksson, A Cervin, KE Årzén - Resource-Constrained Embedded Control and Computing ... - lucas.lth.se

... of the temporal behavior of a **multitasking** real-time ... activities, such as controller and I/O **tasks**, and aperiodic ... may be **preemptive** or non-**preemptive**; this can ...

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WL Bain Jr, DG Carson, GW Cox, RC Duzett, BW ... - US Patent 4,829,425, 1989 - [freepatentsonline.com](#)

... I/O **tasks** are then placed in a queue which is ... It provides a **multitasking** abstraction to the programmer ... the EU implements fixed priority, **preemptive** scheduling. ...

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[PDF] [Analysis and Simulation of Controller Timing](#) - [all 2 versions](#) »

A Cervin, D Henriksson, B Lincoln, J Eker, KE ... - IEEE Control Systems Magazine, 2003 - lucas.lth.se

... temporal behavior of a **multitasking** real-time kernel ... may be used (eg, priority-based **preemptive** scheduling and ... fast as possible" instead of **waiting** for the ...

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[An engineering approach to determining sampling rates for switches and sensors in real-time systems](#) - [all 11 versions](#) »

M Moy, DB Stewart - Real-Time Technology and Applications Symposium, 2000. RTAS ..., 2000 - [ieeexplore.ieee.org](#)

... 2, we present our model for I/O **tasks**, that we ... time software can be implemented as a **multitasking** application, thus ... If the switch is ideal (or **near** ideal), you ...

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Key authors: [A Cervin](#) - [D Henriksson](#) - [P Heidelberger](#) - [B Lincoln](#) - [S Bhatti](#)

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